

In the Abstract:

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# **ABSTRACT**

Process, apparatus and application of silicon/silicon alloy/silicon compound comprising at least one silicon atom boat, silicon/silicon alloy/silicon compound comprising at least one silicon atom made epitaxial chamber and various silicon/silicon alloy/silicon compound comprising at least one silicon atom made tubing and liners is described here. Powder pressing, plasma and non plasma powder deposition, slurry deposition and slurry casting, silicon/silicon alloy casting and directional solidification are among few methods described here. Silicon/silicon alloy made articles and some of their applications in the wafer processing industry is also described.